

Fig. 1a

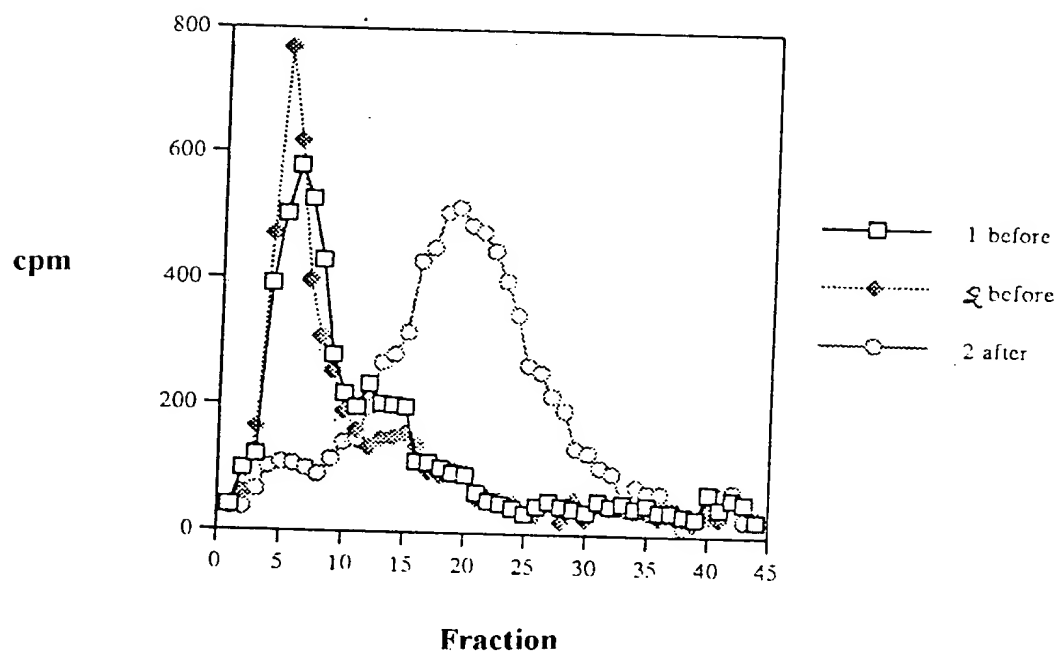


Fig. 1b

552323-2233333

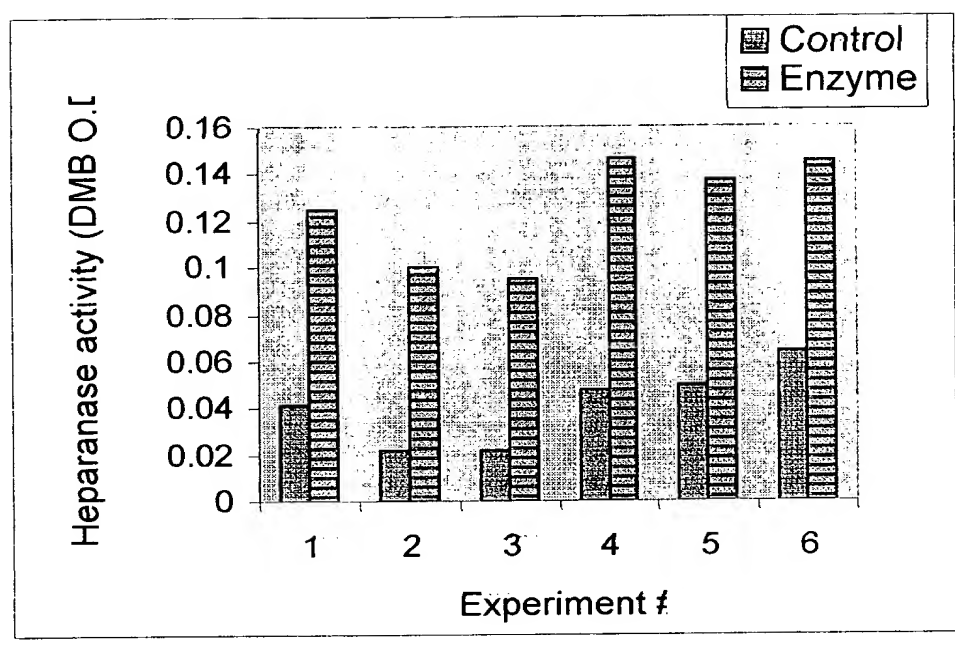


Fig. 2a

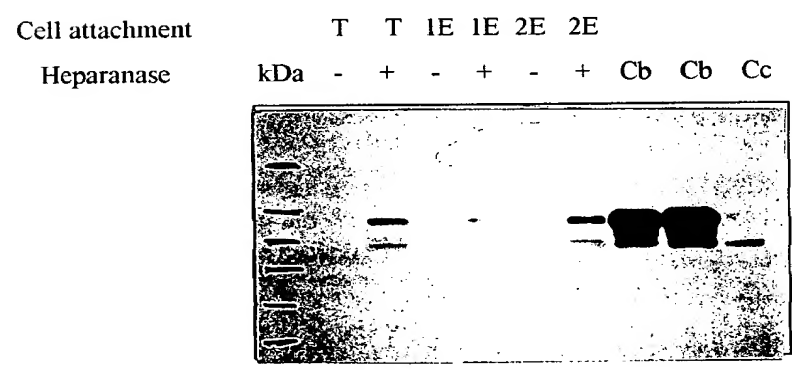


Fig. 2b

T = Trypsin
1E = 1mM EDTA
2E = 2mM EDTA
Cb = Control, purified heparanase from baculovirus, p60.
Cc = Control, purified heparanase from CHO cells, p45.

662000 40000000

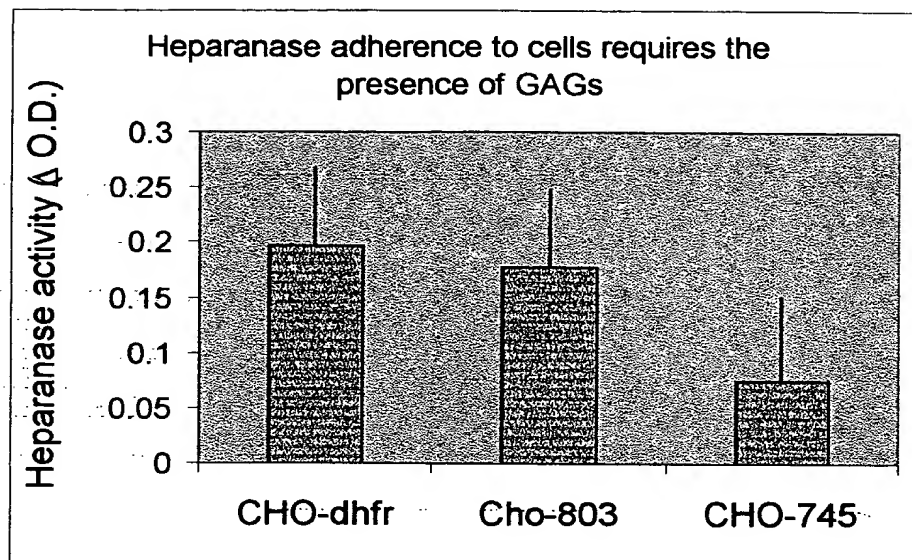


Fig. 3

| Sample | O.D - sample | O.D - blank | Δ O.D |
|--------------------|--------------|-------------|--------------|
| B16-F1 | 0.1245 | 0.0422 | 0.0823 |
| B16-F1 transfected | 0.1671 | 0.0303 | 0.1366 |
| B16-F1 adhered | 0.4448 | 0.0321 | 0.4127 |
| Control b22 | 0.2258 | 0.1163 | 0.1095 |

Fig. 4a

B16-F1 cells
Heparanase: - +b22 +b27 C

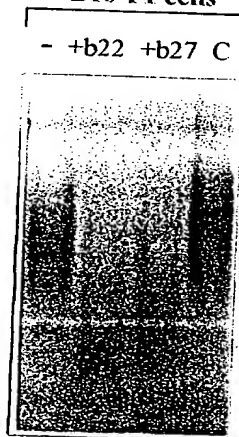


Fig. 4b

b22, b27, bmix = control, purified baculo heparanase (p60), different batches.
c = control, purified CHO heparanase (p45).
C = Control, substrate only

CONTROL B16-F1 cells
Heparanase: kDa b22 b27 bmix c - +b22 +b27

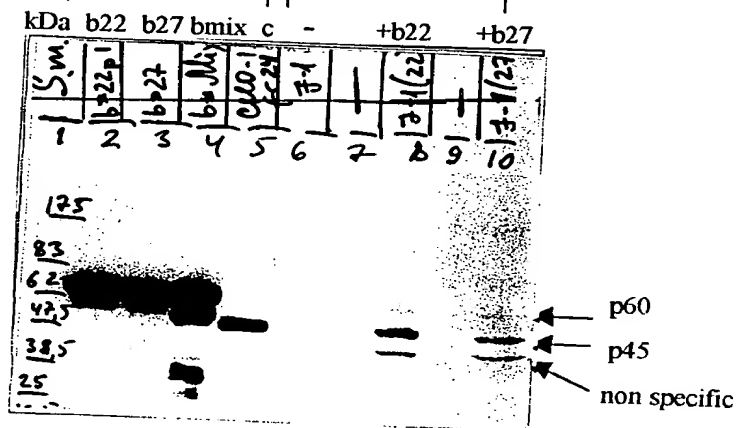


Fig. 4c

| Sample # | Time of incubation with heparanase | Cell detachment from culture plate | O.D - sample | Δ O.D |
|----------|------------------------------------|------------------------------------|--------------|--------------|
| 1 | 0 | Trypsin | 0.1291 | |
| 2 | 15 min | Trypsin | 0.1777 | 0.0486 |
| 3 | 60 min | Trypsin | 0.318 | 0.1847 |
| 4 | 180 min | Trypsin | 0.3633 | 0.2342 |
| 5 | 0 | 1mM EDTA | 0.1370 | |
| 6 | 180 min | 1mM EDTA | 0.3754 | 0.2384 |

Fig 5a

Sample:

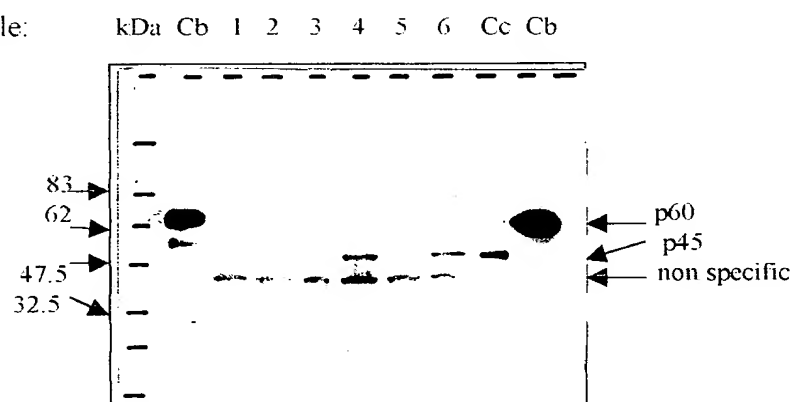


Fig 5b

The effect of heparanase on sputum viscosity

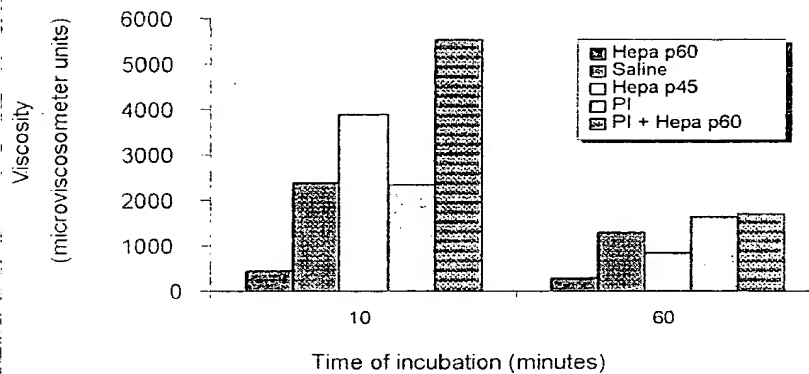


Fig. 60

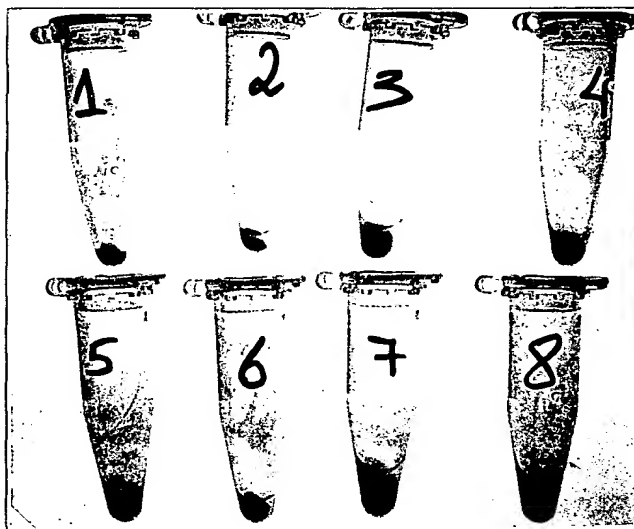
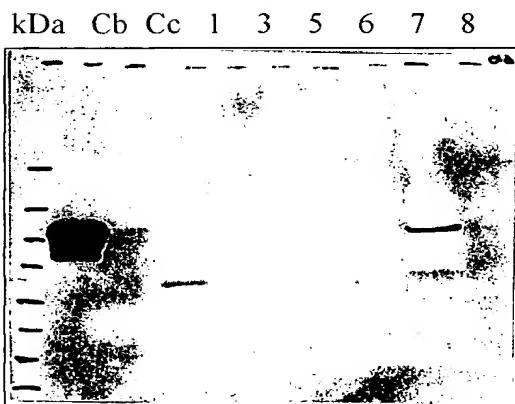
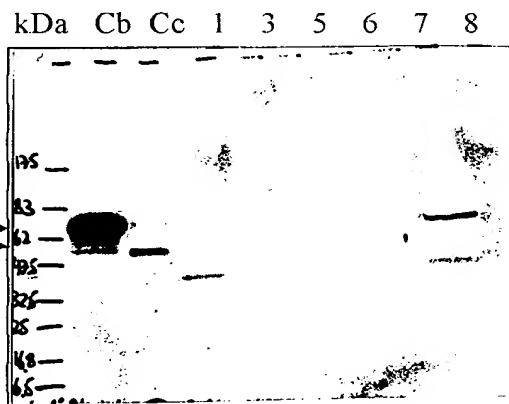


Fig. 61

Ab. 239



Ab. 117



Cb = Control, from baculovirus, p60. Cc = Control, from CHO cells, p45.

Fig. 62

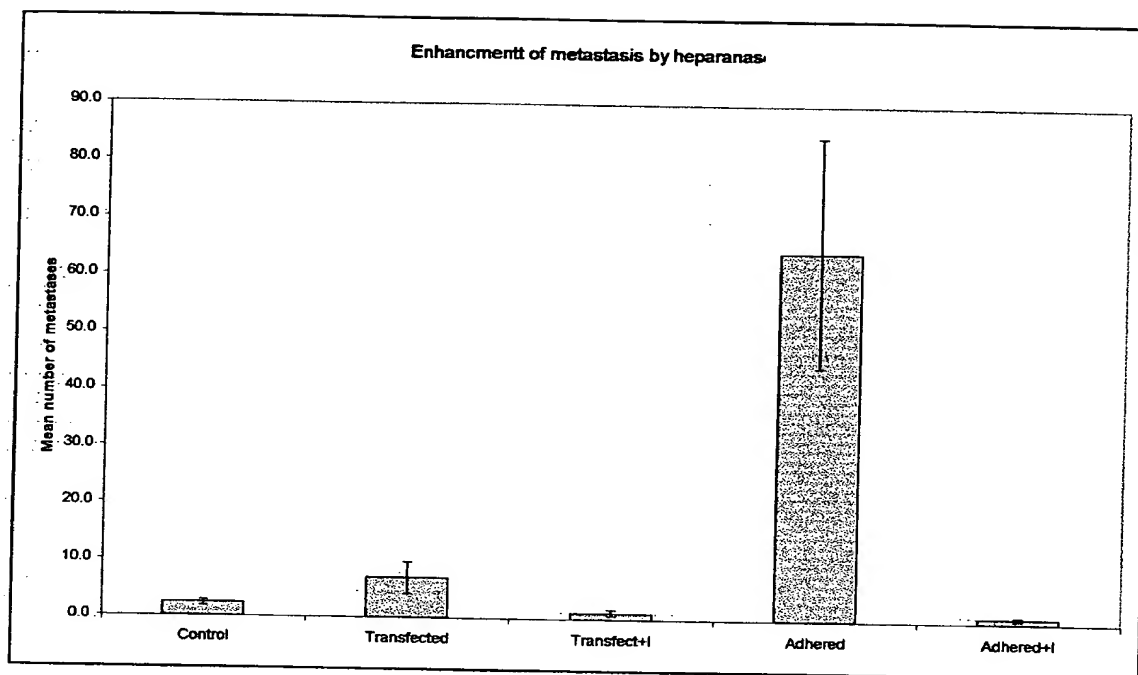


Fig. 7

Fig. 8a

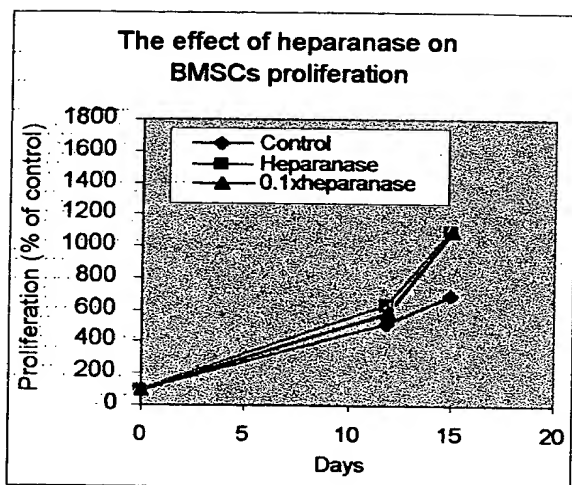


Fig. 8b

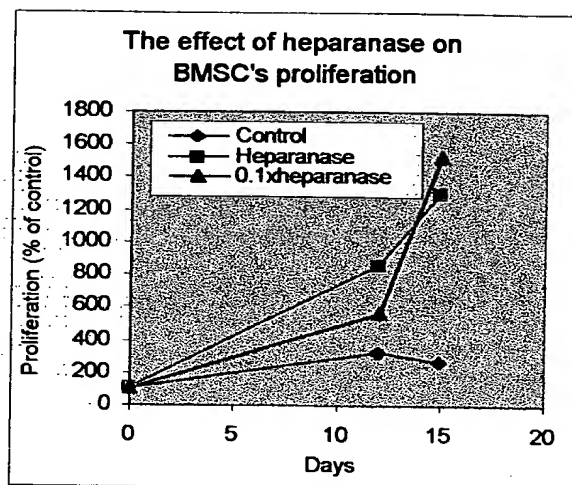


Fig. 8c

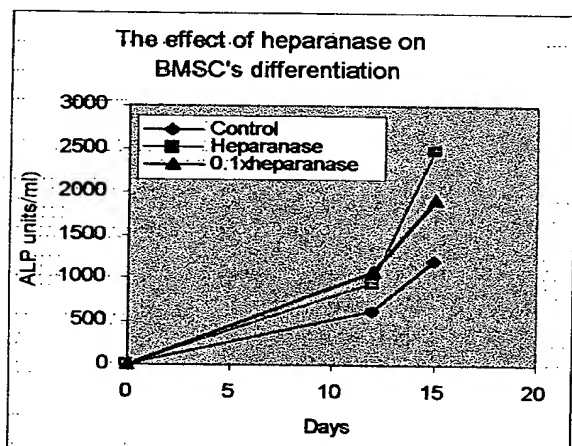


Fig. 8d

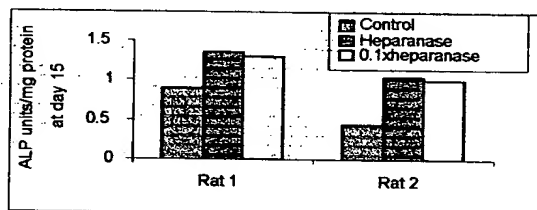
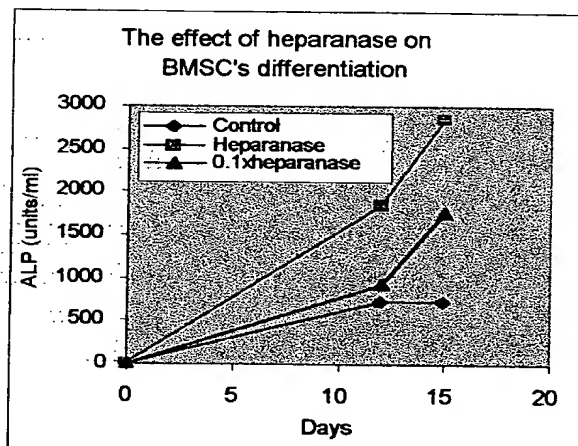


Fig. 8e

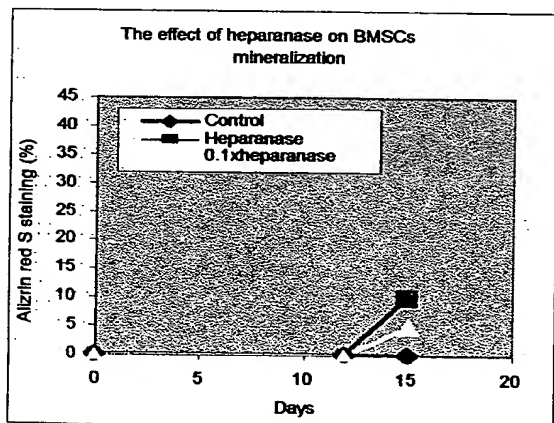


Fig. 8f

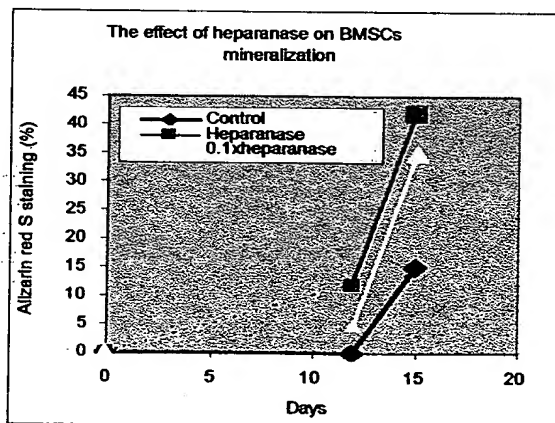


Fig. 8g